



PCT10

## RAW SEQUENCE LISTING

DATE: 06/12/2003

PATENT APPLICATION: US/10/009,317A

TIME: 12:43:17

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Output Set: N:\CRF4\06122003\J009317A.raw

3 <110> APPLICANT: Selsted, Micheal E.  
 4 Tang, Yi-Quan  
 5 Yuan, Jun.  
 6 The Regents of the University of California  
 8 <120> TITLE OF INVENTION: Antimicrobial Theta Defensins and Methods of Using Same  
 10 <130> FILE REFERENCE: P-UC 5042  
 12 <140> CURRENT APPLICATION NUMBER: US 10/009,317A  
 C--> 13 <141> CURRENT FILING DATE: 2003-02-28  
 15 <150> PRIOR APPLICATION NUMBER: US 09/309,482  
 16 <151> PRIOR FILING DATE: 1999-05-10  
 18 <150> PRIOR APPLICATION NUMBER: PCT/US00/12842  
 19 <151> PRIOR FILING DATE: 2000-05-10  
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 23 <170> SOFTWARE: PatentIn Ver. 2.0  
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 34 Thr Arg  
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95 1 5
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131 20 25 30
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167 <222> LOCATION: (95)..(325)
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172 actctgccta acttgaggat ctgtcactcc agcc atg agg acc ttc gcc ctc ctc 115
173                               Met Arg Thr Phe Ala Leu Leu
174                               1           5
176 acc gcc atg ctt ctc ctg gtg gcc ctg cac gct cag gca gag gca cgt 163
177 Thr Ala Met Leu Leu Leu Val Ala Leu His Ala Gln Ala Glu Ala Arg
178   10           15           20
180 cag gca aga gct gat gaa gct gcc gcc cag cag cag cct gga aca gat 211
181 Gln Ala Ala Arg Ala Asp Glu Ala Ala Ala Gln Gln Gln Pro Gly Thr Asp
182   25           30           35
184 gat cag gga atg gct cat tcc ttt aca tgg cct gaa aac gcc gct ctt 259
185 Asp Gln Gly Met Ala His Ser Phe Thr Trp Pro Glu Asn Ala Ala Leu
186  40           45           50           55
188 cca ctt tca gag tca gcg aaa ggc ttg agg tgc att tgc aca cga gga 307
189 Pro Leu Ser Glu Ser Ala Lys Gly Leu Arg Cys Ile Cys Thr Arg Gly
190           60           65           70
192 ttc tgc cgt ttg tta taa tgtcacctg ggtcctgcgc ttttcgtggt 355
193 Phe Cys Arg Leu Leu
194           75
196 tgactccacc ggatctgctg ccgctgagct tccagaatca agaaaaatat gctcagaagt 415
198 tacttttgaga gttaaaagaa attotttgcta ctgctgtacc ttctctcag tttcttttc 475
200 tcatcccaaa taaatacctt atcgc 500
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205 <212> TYPE: PRT
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210      1              5              10              15
212 His Ala Gln Ala Glu Ala Arg Gln Ala Arg Ala Asp Glu Ala Ala Ala
213              20              25              30
215 Gln Gln Gln Pro Gly Thr Asp Asp Gln Gly Met Ala His Ser Phe Thr
216              35              40              45
218 Trp Pro Glu Asn Ala Ala Leu Pro Leu Ser Glu Ser Ala Lys Gly Leu
219              50              55              60
221 Arg Cys Ile Cys Thr Arg Gly Phe Cys Arg Leu Leu
222 65              70              75
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227 <212> TYPE: DNA
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232 <222> LOCATION: (90)..(320)
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237 actctgccta acttgaggat ctgccagcc atg agg acc ttc gcc ctc ctc acc 113
238              Met Arg Thr Phe Ala Leu Leu Thr
239              1              5
241 gcc atg ctt ctc ctg gtg gcc ctg cac gct cag gca gag gca cgt cag 161
242 Ala Met Leu Leu Leu Val Ala Leu His Ala Gln Ala Glu Ala Arg Gln
243      10              15              20
245 gca aga gct gat gaa gct gcc gcc cag cag cag cct gga gca gat gat 209
246 Ala Arg Ala Asp Glu Ala Ala Ala Gln Gln Gln Pro Gly Ala Asp Asp
247 25              30              35              40
249 cag gga atg gct cat tcc ttt aca cgg cct gaa aac gcc gct ctt ccg 257
250 Gln Gly Met Ala His Ser Phe Thr Arg Pro Glu Asn Ala Ala Leu Pro
251              45              50              55
253 ctt tca gag tca gcg aga ggc ttg agg tgc ctt tgc aga cga gga gtt 305
254 Leu Ser Glu Ser Ala Arg Gly Leu Arg Cys Leu Cys Arg Arg Gly Val
255              60              65              70
257 tgc caa ctg tta taa aggcgtttgg ggtcctgcgc ttttcgtggt tgactctgcc 360
258 Cys Gln Leu Leu
259              75
261 ggatctgctg ccgctgagct tccagaatca agaaaaatac gctcagaagt tactttgaga 420
263 gttgaaagaa attcctgtta ctccctgtacc ttgtcctcaa tttccttttc tcaccccaaa 480
265 taaatacctt ctcgc 495
268 <210> SEQ ID NO: 16
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273 <400> SEQUENCE: 16
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275      1              5              10              15
277 His Ala Gln Ala Glu Ala Arg Gln Ala Arg Ala Asp Glu Ala Ala Ala
278              20              25              30
280 Gln Gln Gln Pro Gly Ala Asp Asp Gln Gly Met Ala His Ser Phe Thr

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281          35          40          45
283 Arg Pro Glu Asn Ala Ala Leu Pro Leu Ser Glu Ser Ala Arg Gly Leu
284          50          55          60
286 Arg Cys Leu Cys Arg Arg Gly Val Cys Gln Leu Leu
287 65          70          75
290 <210> SEQ ID NO: 17
291 <211> LENGTH: 27
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293 <213> ORGANISM: Macaca mulatta
295 <220> FEATURE:
296 <221> NAME/KEY: CDS
297 <222> LOCATION: (1)..(27)
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301 Arg Cys Ile Cys Thr Arg Gly Phe Cys
302 1          5
305 <210> SEQ ID NO: 18
306 <211> LENGTH: 9
307 <212> TYPE: PRT
308 <213> ORGANISM: Macaca mulatta
310 <400> SEQUENCE: 18
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312 1          5
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316 <211> LENGTH: 27
317 <212> TYPE: DNA
318 <213> ORGANISM: Macaca mulatta
320 <220> FEATURE:
321 <221> NAME/KEY: CDS
322 <222> LOCATION: (1)..(27)
324 <400> SEQUENCE: 19
325 agg tgc ctt tgc aga cga gga gtt tgc
326 Arg Cys Leu Cys Arg Arg Gly Val Cys
327 1          5
330 <210> SEQ ID NO: 20
331 <211> LENGTH: 9
332 <212> TYPE: PRT
333 <213> ORGANISM: Macaca mulatta
335 <400> SEQUENCE: 20
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337 1          5
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341 <211> LENGTH: 92
342 <212> TYPE: PRT
343 <213> ORGANISM: Macaca mulatta
345 <400> SEQUENCE: 21
346 Met Arg Thr Phe Ala Leu Leu Thr Ala Met Leu Leu Leu Val Ala Leu
347 1          5          10          15
349 His Ala Gln Ala Glu Ala Arg Gln Ala Arg Ala Asp Glu Ala Ala Ala

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PATENT APPLICATION: US/10/009,317A      TIME: 12:43:18

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Output Set: N:\CRF4\06122003\J009317A.raw

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RAW SEQUENCE LISTING ERROR SUMMARY  
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**VERIFICATION SUMMARY**

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